

IN THE ABSTRACT:

A fuel container and delivery apparatus is provided which also allows for removal of effluents from the fuel cell. The fuel container and delivery assembly apparatus includes an inner first flexible bladder containing fuel for a liquid feed fuel cell. The fuel container and delivery assembly is fitted with a pressure-applying element that exerts a continuous pressure upon the fuel-containing flexible bladder in such a manner that the fuel is expressed through a conduit in the container to the direct oxidation fuel cell. The fuel is supplied to the fuel cell in a continuous manner, or on demand. The fuel container may be a replaceable cartridge. In accordance with one embodiment of the invention, In addition, the assembly includes a second bladder that is provided to receive effluent from the fuel cell which may be comprised of such as carbon dioxide and unreacted fuel and water from the anode side, or of and water from the cathode side, or a combination of both.